

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005402.D
 Acq On : 09 Jul 2021 16:49
 Operator : SY/MD
 Sample : M2940-01 4.0PPB
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:44 PM

Quant Time: Jul 10 08:12:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 08:11:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	324383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	476332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	430308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	221527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	148806	48.965	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.940%		
35) Dibromofluoromethane	7.722	113	134779	48.213	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.420%		
50) Toluene-d8	10.185	98	562115	47.240	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.480%		
62) 4-Bromofluorobenzene	12.483	95	185793	46.318	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	12836	4.441	ug/l	92
3) Chloromethane	2.113	50	12638	4.298	ug/l	97
4) Vinyl Chloride	2.253	62	15542	4.273	ug/l	98
5) Bromomethane	2.649	94	13812	5.104	ug/l	100
6) Chloroethane	2.796	64	9848	4.317	ug/l	97
7) Trichlorofluoromethane	3.125	101	23446	4.378	ug/l	98
8) Diethyl Ether	3.533	74	7937	4.273	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	12547	4.167	ug/l	98
10) Methyl Iodide	4.094	142	12385	3.379	ug/l	97
11) Tert butyl alcohol	4.972	59	9504	21.890	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	13464	4.354	ug/l	95
13) Acrolein	3.735	56	5564	24.445	ug/l	99
14) Allyl chloride	4.485	41	18381	4.273	ug/l	99
15) Acrylonitrile	5.173	53	16813	19.891	ug/l	100
16) Acetone	3.960	43	15018	23.080	ug/l	96
17) Carbon Disulfide	4.198	76	41283	4.277	ug/l	99
18) Methyl Acetate	4.485	43	8106	4.495	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	33743	4.032	ug/l	98
20) Methylene Chloride	4.722	84	39458	8.755	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	14348	4.163	ug/l	98
22) Diisopropyl ether	6.131	45	35412	4.132	ug/l	98
23) Vinyl Acetate	6.070	43	111845	19.723	ug/l	99
24) 1,1-Dichloroethane	6.021	63	23045	4.260	ug/l	97
25) 2-Butanone	6.996	43	20167	19.669	ug/l	96
26) 2,2-Dichloropropane	6.984	77	22115	4.405	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	15615	4.091	ug/l	99
28) Bromochloromethane	7.344	49	9339	4.599	ug/l	94
29) Tetrahydrofuran	7.356	42	13486	19.829	ug/l	99
30) Chloroform	7.514	83	24845	4.285	ug/l	99
31) Cyclohexane	7.789	56	25710	4.774	ug/l #	85
32) 1,1,1-Trichloroethane	7.703	97	22779	4.243	ug/l	99
36) 1,1-Dichloropropene	7.923	75	20058	4.313	ug/l	99
37) Ethyl Acetate	7.082	43	9765	4.176	ug/l	95
38) Carbon Tetrachloride	7.899	117	21002	4.040	ug/l	90
39) Methylcyclohexane	9.185	83	23609	3.858	ug/l	98
40) Benzene	8.167	78	55247	4.053	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	5916	4.436	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	16615	4.221	ug/l	99
43) Isopropyl Acetate	8.277	43	16842	3.927	ug/l	98
44) Trichloroethene	8.941	130	16200	4.039	ug/l	99
45) 1,2-Dichloropropane	9.215	63	13208	4.148	ug/l	92
46) Dibromomethane	9.313	93	7687	4.120	ug/l	98
47) Bromodichloromethane	9.496	83	18361	4.064	ug/l	92
48) Methyl methacrylate	9.295	41	7295	3.679	ug/l	99
49) 1,4-Dioxane	9.301	88	2166	72.456	ug/l #	85
51) 4-Methyl-2-Pentanone	10.075	43	44533	18.790	ug/l	99
52) Toluene	10.246	92	36484	4.067	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	19889	3.942	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	22247	4.000	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	11131	4.020	ug/l	98
56) Ethyl methacrylate	10.514	69	14100	3.664	ug/l	98
57) 1,3-Dichloropropane	10.794	76	18966	4.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	37971	23.080	ug/l	98
59) 2-Hexanone	10.837	43	30180	18.232	ug/l	100
60) Dibromochloromethane	10.989	129	13443	3.886	ug/l	99
61) 1,2-Dibromoethane	11.093	107	10448	3.922	ug/l	97
64) Tetrachloroethene	10.721	164	15242	3.917	ug/l	92
65) Chlorobenzene	11.520	112	38847	4.057	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.593	131	14098	3.959	ug/l	98
67) Ethyl Benzene	11.593	91	65582	3.908	ug/l	99
68) m/p-Xylenes	11.703	106	53156	7.917	ug/l	98
69) o-Xylene	12.032	106	24504	3.837	ug/l	98
70) Styrene	12.044	104	41220	3.808	ug/l	99
71) Bromoform	12.209	173	9536	4.050	ug/l #	98
73) Isopropylbenzene	12.331	105	63959	3.967	ug/l	100
74) N-amyl acetate	12.142	43	14892	3.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	12561	4.198	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	10859m	5.068	ug/l	
77) Bromobenzene	12.611	156	16055	3.947	ug/l	92
78) n-propylbenzene	12.672	91	77539	4.086	ug/l	98
79) 2-Chlorotoluene	12.757	91	42979	4.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	52596	3.911	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	4734	4.108	ug/l	96
82) 4-Chlorotoluene	12.855	91	44597	4.024	ug/l	98
83) tert-Butylbenzene	13.074	119	46241	3.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	52633	3.917	ug/l	99
85) sec-Butylbenzene	13.257	105	68853	3.941	ug/l	100
86) p-Isopropyltoluene	13.373	119	57352	3.781	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	32136	3.985	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	33134	4.157	ug/l	95
89) n-Butylbenzene	13.696	91	51034	3.796	ug/l	99
90) Hexachloroethane	13.958	117	10591	3.900	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	28727	4.030	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2294	4.054	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	19133	3.913	ug/l	99
94) Hexachlorobutadiene	15.111	225	11839	3.876	ug/l	98
95) Naphthalene	15.239	128	35682	3.700	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	17062	3.950	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

